

**What is claimed is:**

1       1. A flat panel display, comprising:  
2           a housing;  
3           a panel module having a front frame, a rear frame,  
4           and a panel, the front frame being assembled  
5           with the rear frame to encase the panel, the  
6           rear frame having at least one connecting  
7           portion, and a part of the connecting portion  
8           being covered by the panel; and  
9           a main bracket, connecting the housing and the  
10           connecting portion of the rear frame.

1       2. The flat panel display as claimed in claim 1,  
2       wherein the connecting portion of the rear frame is fixed  
3       to the main bracket by screws.

1       3. The flat panel display as claimed in claim 1,  
2       wherein the connecting portion is formed by lancing and  
3       bending the rear frame.

1       4. The flat panel display as claimed in claim 1,  
2       wherein the connecting portion is riveted to the rear  
3       frame.

1       5. The flat panel display as claimed in claim 1,  
2       wherein the connecting portion is formed by slitting and  
3       pressing the rear frame.

1       6. The flat panel display as claimed in claim 1,  
2       wherein the connecting portion is formed by deep drawing  
3       of the rear frame.

1           7. A flat panel display, comprising:  
2            a housing;  
3            a panel module having a front frame, a rear frame,  
4                   and a panel, and the front frame being  
5                   assembled with the rear frame to encase the  
6                   panel; and  
7            a main bracket disposed in the housing;  
8            wherein the rear frame comprises a receiving portion  
9                   supporting the panel, a peripheral portion  
10                  located at periphery of the receiving portion,  
11                  and at least one connecting portion, a part of  
12                  the connecting portion is covered by the panel;  
13                  and the main bracket connects the housing and  
14                  the connecting portion of the rear frame.

1           8. The flat panel display as claimed in claim 7,  
2           wherein the rear frame is fixed to the main bracket by  
3           screws.

1           9. The flat panel display as claimed in claim 7,  
2           wherein the connecting portion extends from the  
3           peripheral portion for a predetermined distance, and is  
4           bent to the rear of the receiving portion.

1           10. The flat panel display as claimed in claim 7,  
2           wherein the connecting portion is completely disposed on  
3           the receiving portion.

1           11. The flat panel display as claimed in claim 7,  
2           wherein the connecting portion is a post, an L-shaped

3       protrusion, a bridge-shaped protrusion, or a circular  
4       protrusion.

1           12. The flat panel display as claimed in claim 7,  
2       wherein the connecting portion is disposed in the  
3       vicinity of the peripheral portion.

1           13. A panel module, comprising:  
2            a panel;  
3            a front frame; and  
4            a rear frame, connected to the front frame to  
5                position the panel therebetween,  
6       wherein the rear frame comprises a fastening portion  
7                for a fastening device to be mounted therein,  
8                and a part of the fastening portion is covered  
9                by the panel.

1           14. The panel module as claimed in claim 13,  
2       wherein the fastening device is a screw.

3           15. The panel module as claimed in claim 13,  
4       wherein the fastening portion is formed by lancing and  
5       bending the rear frame.

1           16. The panel module as claimed in claim 13,  
2       wherein the fastening portion is riveted to the rear  
3       frame.

1           17. The panel module as claimed in claim 13,  
2       wherein the fastening portion is formed by slitting and  
3       pressing the rear frame.

1           18. The panel module as claimed in claim 13,  
2       wherein the fastening portion is formed by deep drawing  
3       of the rear frame.

1           19. A panel module, comprising:  
2           a panel;  
3           a front frame; and  
4           a rear frame, connected with the front frame to  
5           position the panel therebetween;  
6       wherein the rear frame has a receiving portion  
7           supporting the panel, a peripheral portion  
8           located at the periphery of the receiving  
9           portion, and at least one fastening portion for  
10          mounting a fastening device therein, and a part  
11          of the fastening portion is positioned on the  
12          receiving portion or extends to a back of the  
13          receiving portion.

1           20. The panel module as claimed in claim 19,  
2       wherein the fastening device is a screw.

1           21. The panel module as claimed in claim 19,  
2       wherein the fastening portion is extended from the  
3           peripheral portion for a predetermined distance and bent  
4           to the back of the receiving portion.

1           22. The panel module as claimed in claim 19,  
2       wherein the fastening portion is disposed on the  
3           receiving portion.

1           23. The panel module as claimed in claim 19,  
2       wherein the fastening portion is a post, an L-shaped

3       protrusion, a bridge-shaped protrusion, or a circular  
4       protrusion.

1           24. The panel module as claimed in claim 19,  
2       wherein the fastening portion is disposed in the vicinity  
3       of the peripheral portion.

1           25. A flat panel display, comprising:  
2           a panel;  
3           a front frame, disposed in front of the panel;  
4           a receiving portion, disposed behind the panel;  
5           a peripheral portion, located at the periphery of  
6           the receiving portion;  
7           a connecting portion, having an arm and a connecting  
8           surface, the arm connecting to one of the  
9           receiving portion and the peripheral portion,  
10          the connecting surface connecting to the arm  
11          substantially extending to a back of the  
12          receiving portion; and  
13          a housing, engaged with the panel by the connecting  
14          surface of the connecting portion.

1           26. The flat panel display as claimed in claim 25,  
2       wherein a screw hole is formed on the connecting surface  
3       for a screw to be mounted therein, and the housing is  
4       fixed to the connecting portion by the screw.

1           27. The flat panel display as claimed in claim 25,  
2       wherein the connecting portion is an L-shaped protrusion,  
3       and the connecting surface is positioned at a top of the  
4       L-shaped protrusion.

1           28. The flat panel display as claimed in claim 25,  
2        wherein the connecting portion is a reversed U-shaped  
3        protrusion, a partial-spherical protrusion, or a  
4        cylindrical protrusion, and the connecting surface tips  
5        the connecting portion.

1           29. The flat panel display as claimed in claim 25,  
2        wherein the connecting portion comprises a screw post,  
3        disposed on the receiving portion.

1           30. The flat panel display as claimed in claim 25,  
2        further comprising a bracket, positioned between the  
3        connecting portion and the housing, and the connecting  
4        portion and housing respectively connected to the bracket  
5        at different locations.

1           31. The flat panel display as claimed in claim 30,  
2        wherein the bracket has an edge, the connecting portion  
3        is engaged with the bracket at a first location, the  
4        housing is engaged with the bracket at a second location,  
5        and the first location is closer to the edge of the  
6        bracket than the second location.

1           32. A flat panel display, comprising:  
2            a panel;  
3            a front frame, disposed in front of the panel;  
4            a receiving portion, disposed behind the panel;  
5            a peripheral portion, located at the periphery of  
6            the receiving portion;  
7            a connecting portion having a protrusion and a  
8            connecting surface, the protrusion connecting

9                   to one of the receiving portion and the  
10                  peripheral portion, the connecting surface and  
11                  the protrusion substantially extending to a  
12                  back of the receiving portion; and  
13                  a housing, engaged with the panel by the connecting  
14                  surface of the connecting portion.

1                 33. The flat panel display as claimed in claim 32,  
2                 wherein a screw hole is formed on the connecting surface  
3                 for a screw to be mounted therein, and the housing is  
4                 fixed to the connecting portion by the screw.

1                 34. The flat panel display as claimed in claim 32,  
2                 wherein the connecting portion is an L-shaped protrusion,  
3                 and the connecting surface is positioned at a top of the  
4                 L-shaped protrusion.

1                 35. The flat panel display as claimed in claim 32,  
2                 wherein the connecting portion is a reversed U-shaped  
3                 protrusion, a partial-spherical protrusion, or a  
4                 cylindrical protrusion, and the connecting surface tips  
5                 the connecting portion.

1                 36. The flat panel display as claimed in claim 32,  
2                 wherein the connecting portion comprises a screw post,  
3                 disposed on the receiving portion.

1                 37. The flat panel display as claimed in claim 32,  
2                 further comprising a bracket, disposed between the  
3                 connecting portion and the housing, and the connecting  
4                 portion and the housing are respectively connected to the  
5                 bracket at different locations.

1           38. The flat panel display as claimed in claim 32,  
2       wherein the bracket has an edge, the connecting portion  
3       is engaged with the bracket at a first location, and the  
4       housing is engaged with the bracket at a second location,  
5       and the first location is closer to the edge of the  
6       bracket than the second location.